

BIBLIOGRAPHY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Meteorologist in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

Angenheister, G.

Die erdmagnetischen Beobachtungen im Jahre 1911. Berlin. 1914. 9, xxii p. plates. 27 cm. (Ergebnisse der Arbeiten des Samoa-Observ. der K. Gesellsch. der Wissenschaften zu Göttingen. no. 10.)

Aristoteles.

Meteorologica [trans.] by E. W. Webster. Oxford. 1923. vi, n. p. 22½ cm.

Barber-Greene Co.

Mechanical snow handling. Aurora, Ill. n. d. 20 p. illus. 28 cm.

British (Terra Nova) antarctic expedition, 1910-1913.

Glaciology, by C. S. Wright and R. E. Priestley. London. 1922. xx, 581 p. illus. plates (part fold.) 31½ cm.

Campo, Gabriel.

Sobre el periodo de seca de l'hivern de 1922-23 a Catalunya. Barcelona. 1923. 8 p. figs. 21½ cm. (Servei met. de Catalunya. Notes d'estudi. no. 21.)

Chemulpo. Meteorological observatory.

Results of the meteorological observations in Korea for the lustrum, 1916-1920. Zinsen. 1922. 48 p. 30½ cm.

Chipp, T. F.

Forest officers' handbook of the Gold Coast, Ashanti and the northern territories. London. [introd. 1922]. vi, 148 p. charts. plates. 25½ cm. [Chapter 5. Climate and its relation to forest distribution. Contains rainfall map.]

Daingerfield, Lawrence Hite.

Weather watchman writes of wonders. Hawaii's meteorologist, Lawrence Hite Daingerfield, reveals climatic magic of Pacific's fairest isles. p. 41-45. illus. 31½ cm. [Exc.: Paradise of the Pacific. v. 35, Dec., 1922.]

Delgado de Carvalho, C. M.

Dados pluviometricos relativos ao norte do Brasil. (Periodo 1912-1920). Rio de Janeiro. 1922. unp. map. 28 cm. (Min. da viação e obras publicas. Inspectoría federal de obras contra as secas. Pub. n. 47. Ser. 1, B.)

Eckardt, W. R.

Die Paläoklimatologie, ihre Methoden und ihre Anwendung auf die Paläobiologie. Berlin. 1921. p. 313-394. figs. 26 cm. (Handbuch der biologischen Arbeitsmethoden. Fig. 48. Abt. 10. Methoden der Geol., Min., Paläobiol., Geog., H. 3.)

Everdingen, E. van.

Die Bedeutung der Strahlung und des Wasserdampfes für die Bildung und Erhaltung von Zyklonen. [De Bilt. 1922.] p. 13-21. 24½ cm.

Exner, Felix M.

Über die Bildung von Windhosen und Zyklonen. Wien. 1923. 16 p. figs. plate. 25 cm. (Sitzungsber. Akad der Wissensch. Mathem.-naturw. Klasse, Abt. IIa, 132 Bd. H. 1-2. 1923.)

Fontseré, Eduard.

Sondages de l'atmosfera lliure a Barcelona, amb globus pilots, durant els anys 1919-1920. Barcelona. 1923. 62 p. 22 cm. (Servei met. de Catalunya. Notes d'estudi. no. 19.)

France. Office national météorologique.

Radiogrammes météorologiques d'intérêt général émis par les postes de T. S. F. de France et de l'Afrique du Nord française. Liste des émissions et tableau de déchiffrement. Services en vigueur à partir du 15 octobre 1922. Paris. n. d. 48 p. map. 24½ cm.

Hann, [Julius] & Stirling, [Reinhard].

Lehrbuch der Meteorologie. 4te umgearb. Aufl. Lief. 3. Leipzig. n. d. p. 209-288. illus. plates. 27 cm.

Heilmann, Gustav.

Beiträge zur Geschichte der Meteorologie. Nr. 11-15. Berlin. 1922. 102 p. 26 cm. (Veröff. des Preuss. met. Instituts. Nr. 315.)

Jardi, Ramon.

Deu anys d'observacions termopluviomètriques a Tivisa. Barcelona. 1923. 16 p. figs. 21½ cm. (Servei met. de Catalunya. Notes d'estudi. no. 20.)

Schmauss, August.

Münchener aerologische Studien. No. 12. Die Temperaturabnahme in der Troposphäre über München. 5 p. figs. 33 cm. No. 13. Der Temperaturwerte der Winde auf der Zugspitze. 5 p. illus. 33 cm. (Sonderab. Deutsches meteorologisches Jahrbuch für Bayern. 1922.)

Das Problem der Wettervorhersage. Hamburg. 1923. 80 p. 24 cm. (Probleme der kosmischen Physik. no. 1.)

Sifontes, Ernesto.

Climatología tropical. Areas de mínima presión i tiempo ciclónico en Guayana. Bolívar. [1920.] 5 p. 1 sheet. 28½, 61 cm. [Part manifolded.]

Tondorf, F. A.

Registration of earthquakes and press dispatches on earthquakes from January 1st, 1922 to January 1st, 1923. Washington. 1923. 23 p. 23 cm. (Georgetown univ. pub. Bull. seismographic sta. no. 7, March 1, 1923.)

Trewartha, Glenn T.

Climate of the world. With introductory exercises on the climatic elements. Madison, Wis. 1923. 8 p. charts. 49 cm.

Vincent, J.

Les méthodes de Bjerknes. Beaucoup de bruit pour rien. p. 21-22. 30½ cm. (Gazette astron. Anvers. 10. année. Août, 1923.)

Ward, R. DeC.

Julus von Hann (1839-1921.) p. 491-493. 24 cm. (Proc. Amer. acad. arts & sci. v. 57, no. 18, Nov., 1922.)

Weickmann, Ludwig, & others ed.

Zum Klima der Türkei. Ergebnisse dreijährigen Beobachtungen 1915-1918. München. [1922.] H. I. Luftdruck und Winde im östlichen Mittelmeergebiet. By Ludwig Weickmann. 114 p. illus. plates. 23½ cm.

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. F. TALMAN, Meteorologist in Charge of Library.

The following titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

American journal of science. New Haven. (5) v. 6. August, 1923.

Clough, George E. Soaring flight. p. 173-177.

Astronomie. Paris. 37. année. Juin 1923.

Danjon, A. L'absorption atmosphérique au Mont Blanc. p. 241-244.

Conquest. London. v. 4. August, 1923.

Britton, C. Sounding the upper air. A daily task in the meteorological service, p. 410-411.

Deutsche Seewarte. Aus dem Archiv. Hamburg. 40. Jahrg., Nr. 4. 1923.

Wegener, Alfred & Kuhlbrodt, Erich. Pilotballonaufstiege auf einer Fahrt nach Mexiko März bis Juni 1922.

Ecology. Brooklyn, N. Y. v. 4. July, 1923.

Connell, A. B. Measuring soil temperature by standard thermometer suspended in iron pipe. p. 313-316.

Engineering news-record. New York. v. 90. June 7, 1923.

Snow survey and stream runoff forecast in Nevada for 1923. p. 101.

Great Britain. Meteorological office. Monthly meteorological charts. North Atlantic Ocean. London. August, 1923.

Smith, L. A. Brooke. Weather and wireless.

Heating and ventilating magazine. New York. v. 20. August, 1923. The usefulness of the kata-thermometer in determining healthful air conditions. p. 52-53.

International institute of agriculture. International review of the science and practice of agriculture. Rome. New series. v. 1. April-June, 1923.

Akerman, A. The resistance shown by numerous varieties of wheat at Svalöf during the winter 1921-1922. p. 350-353. [Abstract.]

Hall, A. Daniel. Agricultural meteorology as a field for investigation. p. 272-280.

Smith, J. Warren. Weather and crop yield. p. 347-350. [Abstr. from M. W. R.]

- Japanese journal of physics. Transactions and abstracts. Tokyo. v. 1. 1923.*
- Fuji, Kyotoku.** A component anemometer. p. 101-106.
- Journal of geology. Chicago. v. 31. July-August, 1923.*
- Chamberlin, T. C.** Significant ameliorations of present Arctic climates. p. 373-406.
- Literary digest. New York. v. 78. July 21, 1923.*
- Where the cold waves come from. p. 24.
- Meteorologia pratica. Montecassino. Anno 4. Marzo-aprile 1923.*
- Boddaert, Dionigi.** Osservatorio del R. Collegio Carlo Alberto di Moncalieri. p. 84-85.
- Boffito, Giuseppe.** Bibliografia meteorologica italiana. p. 77-83.
- Cavasino, Alfonso.** Sul periodo sismico romagnolo iniziatosi la sera del 13 gennaio 1922. p. 73-76.
- Cioffi, Francesco.** Di alcuni fattori meteorologici nella patologia umana. p. 57-62.
- Cuomo, Vincenzo.** Osservatorio dell' isola di Capri. p. 86.
- Fagiolo, P.** Osservatorio di Terracina. p. 87.
- Ferrara, Gerardo.** Sulla distribuzione geografica della "neve." p. 63-68.
- Guiffre, Salvatore.** Osservatorio di Riposto. p. 88.
- Proviero, A.** Intorno all' uso di scale dinamiche mediante nuovi tipi di accelerometri in case di macroismi. p. 68-72.
- Saulle, P. Tommaso.** Osservatorio di Piedimonte d'Alife. p. 87-88.
- Meteorological magazine. London. v. 58. August, 1923.*
- The calibration of the Dines balloon meteorograph. p. 165.
- Giblett, M. A., & others.** The thunderstorms of July, 1923. p. 149-154.
- Meteorology on the Cairo to Baghdad aerial route. p. 163-164.
- An open scale meteorograph. p. 164.
- Pilot balloons, lightning and oxides of nitrogen. p. 162.
- The production by lightning of a shadow-picture on bare boards. p. 166-167.
- Rolf, Bruno.** Symbols for driftsnow. p. 160.
- Meteorologische Zeitschrift. Braunschweig. Band 40. Juni 1923.*
- Dietzus, R.** Neue Untersuchungen über die Sonnenstrahlung in Amerika. p. 161-167.
- Eckardt, W. R.** Meteorologische und klimatologische Probleme Südamerikas. p. 179-180.
- Feodorof, E.** Die Schätzung der Bewölkung. p. 185-186.
- Heidke, P.** Reduktion kürzerer Reihen von Niederschlagsmessungen auf die langjährigen homogenen Nachbarstationen unter Berücksichtigung von Gewichten. p. 167-173.
- Hesselink, E., & Hudig, J.** Hat die Kondensation der Luftfeuchtigkeit im Boden Bedeutung für die Bildung des Grundwassers? p. 182-184.
- Meissner, Otto.** Der wärmste und kälteste Tag jedes Monats in Berlin. p. 180-182.
- Mierdel, F.** Über nächtliche Temperaturanstiege an der Möhnetalsperre. p. 178.
- Schmauss, A.** Gegen die langfristigen Wetterprognosen. p. 184-185.
- Moscow. Institut de physique cosmique. Bulletin. fascicule 1. 1923.*
- Bastamov, S.** Étude sur la densité de l'air considérée comme élément géophysique. p. 10-29.
- Bontchkovsky, V.** Les chasse-neige et les posémok, d'après les observations de l'Observatoire de l'Université de Moscou en 1905-1913. p. 68-91.
- Bontchkovsky, V.** Observations actinométriques. p. 107-110.
- Joukovsky, N.** Moulin à vent type "NEJ." p. 189-196.
- Joukovsky, N. E.** Teoria pilotov. p. 7-9.
- Khanevsky, V.** Circulation générale de l'atmosphère. p. 30-37.
- Sabinin, G.** Les anémomètres à moulinet et la mesure à leur aide de la vitesse réelle du vent. p. 197-214.
- Nature. London. v. 112. 1923.*
- Deeley, R. M.** Barometric pressure in high latitudes. p. 240. (Aug. 18.)
- Gill, E. Leonard.** A mountain mirage. p. 239. (Aug. 18.)
- Cave, C. J. P., & Clarke, G. Auborne.** Proposed international survey of the sky. p. 282-283. (Aug. 25.)
- Davison, Charles.** The Japanese earthquake of September 1. p. 399-401. (Sept. 15.)
- Reynolds, William C.** Thunderstorms and ozone. p. 396-397. (Sept. 15.)
- Nature. Paris. 51 année. 1923.*
- Berget, Alphonse.** Les proverbes météorologiques. p. 101-102. (18 août.)
- Jourdan, Sauvaire.** Les pilot-charts de la marine Américaine et l'art de bien naviguer. p. 97-101. (18 août.)
- Schereschesky, Ph.** La semaine internationale des nuages. p. 158-159. (8 sept.)
- Nature magazine. Washington, D. C. v. 2. October, 1923.*
- Votey, Clara C.** Rare pictures of dew, frost and snow. p. 227-228.
- Naturwissenschaften. Berlin. 11. Jahrg. 15. Juni 1923.*
- Kölzer, [Joseph].** Einfluss von Temperatur und Wind auf die Schallausbreitung. p. 480. [Abstract.]
- Koppe.** Seespiegel schwankungen des Toten Meeres und das Klima Palästinas. p. 480-481. [Abstract.]
- Physikalische Zeitschrift. Leipzig. 24. Jahrg. 1923.*
- Lakeman, C., & Sissingh.** Zwei Demonstrationsapparate für Vorlesungsversuche über die Wirkung von Staubteilchen, Ionen und Elektronen als Kondensationskerne. p. 235-236. (No. 11.)
- Bongards, Hermann.** Ein Beitrag zur der Frage, welche Art körpuskularer Strahlung als Ursache des Polarlichtes anzusehen ist. p. 279-285. (No. 13.)
- Prussia. Meteorologisches Institut. Abhandlungen. Berlin. Bd. 7, Nr. 5. 1923.*
- Knoch, K.** Die Verteilung der Bewölkung über Europa.
- Reale accademia dei Lincei. Atti. Roma. (5) Rendiconti. v. 32, fasc. 9. 1923.*
- Marini, Ludovico.** L'umidità relativa lungo le coste adriatiche confrontata con quella della costa tirrenica della penisola italiana. p. 482-490.
- Reale società geografica italiana. Bollettino. Roma. v. 11. Novembre-dicembre 1922.*
- Eredia, Filippo.** Cosimo de Giorgi. p. 491-492. [Obituary.]
- Royal society of London. Philosophical transactions. London. ser. A. v. 228. 1923.*
- Richardson, Lewis F.** Theory of the measurement of wind by shooting spheres upward.
- Science. New York. v. 58. 1923.*
- Lane, Alfred C.** The temperature of mines. p. 142. (Aug. 24.) [Subterranean temperatures as an indication of past temperatures at the surface.]
- The destruction of icebergs. suppl. p. x. (Aug. 31.)
- Science and invention. New York. v. 11. September, 1923.*
- Dunn, E. B. "Farmer."** How to forecast the weather. p. 443.
- Science et la vie. Paris. t. 23. Juin 1923.*
- Andry-Bourgeois.** L'utilisation pratique de l'électricité atmosphérique. p. 483-491.
- Scientific American. New York. v. 129. October, 1923.*
- Peek, F. W., Jr.** Make-believe lightning. Investigating lightning voltages in the laboratory to solve lightning arrester problems. p. 254.
- Seismological society of America. Bulletin. Stanford University. v. 13. March, 1923.*
- Wills, Bailey.** A fault map of California. p. 1-12.
- Sociedad astronómica de España y América. Revista. Barcelona. Mayo-junio 1923.*
- Selga, Miguel.** Brisas y vendavales en Filipinas. p. 36-40.
- Società meteorologica italiana. Bollettino bimestrale. Torino. v. 42. Luglio-settembre 1923.*
- Gabba, L., & Bottino-Barzizza, G.** Sui valori medi delle precipitazioni atmosferiche a Milano. p. 41-59.
- Signore, Francesco.** Validità del coefficiente psicrometrico dello Sprung per il psicometro a ventilatore elettrico nel clima di Napoli. p. 69-72.
- Trovato, Giovanni.** Sul clima di Siracusa. p. 74-80.
- Tyco-Rochester. Rochester, N. Y. v. 13. July, 1923.*
- Bissel, Talbot.** Hunting with a barometer. p. 31-33.
- Radio to solve world's weather forecast problems. p. 24-27.
- Holliday, Carl.** What is the Weather Bureau? p. 21-23. [Rep. The Target.]
- Lagrange, E.** Ole Roemer and the Fahrenheit thermometer. p. 16-18. Tr. from Ciel et terre.
- Palmer, A. H.** Clouds. p. 10-11.
- Sand-blasting the clouds for man-made weather. p. 12-14. [Repr. Sci. American.]